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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,658	12/30/2003	Golchehreh Salamat	560773	1657

27452 7590 10/05/2005

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EXAMINER

COY, NICOLE A

ART UNIT PAPER NUMBER

3672

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

MC

Office Action Summary

Application No.

10/707,658

Applicant(s)

SALAMAT, GOLCHEHREH

Examiner

Nicole Coy

Art Unit

3672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 1/04, 1/06, 12/08 7118/05, 1/12/04, 12/30/03
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation "earlier peak" in line 1. Claim 3 also recites the limitation "later peak" in line 1. There is insufficient antecedent basis for these limitations in the claim.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Parlar et al. (USP 6,631,764) in view of Fischer et al. (USP 3,753,903).

With respect to claims 1 and 2, Parlar et al. teaches a method of gravel packing a hole in subterranean formation including the step of pumping into the hole a gravel pack composition comprising gravel and a carrier fluid comprising a brine-in-oil emulsion (see column 8 lines 18-22). Parlar et al. further teaches an emulsion stabilized by an emulsifier based on a fatty acid ester. (see column 8 line 21).

However, Parlar et al. is silent as to the specific fatty acid ester. Fischer et al. teaches that useful oil-soluble emulsifiers include sorbitan monooleate and sorbitan trioleate (see column 6 lines 32-35). Fischer et al. teaches that these sorbitan fatty acid esters are added to the carrier fluid in order to stabilize it (see column 6 line 23). It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Parlar et al. by selecting sorbitan monooleate and sorbitan trioleate as the specific fatty acid ester as taught by Fischer et al. in order to form a stable carrier fluid.

Furthermore, the emulsion solution of Parlar et al. in view of Fischer et al. would inherently present a shoulder peak before the monomer peak when analyzed by gel permeation chromatography because the emulsions are substantially identical.

With respect to claim 3, the ratio between the peak height of the earlier and later peak would inherently be greater than 0.5 as the emulsion solution of Parlar et al. in view of Fischer et al. is substantially identical to the claimed emulsion.

With respect to claim 4, Parlar et al. teaches a brine solution of 50 % (see column 8 table 1).

With respect to claim 5, Parlar et al. teaches the aqueous phase of the carrier fluid comprising a chelating agent (see column 3 lines 29-34).

With respect to claim 6, Parlar et al. teaches examples of chelating agents, such as EDTA, CDTA, EGTA, HEDTA, and HEIDA (see column 3 lines 34-47).

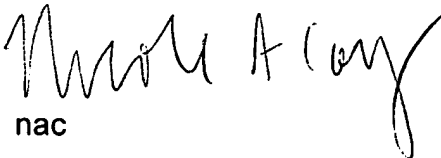
Conclusion

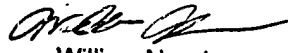
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicole Coy whose telephone number is 571-272-5405.

The examiner can normally be reached on M-F 8:30-6, 1st F off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bagnell can be reached on 571-272-6999. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


nac


William Neuder
Primary Examiner